INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/32677

		10110001132011		
A. CLASSIFICATION OF SUBJECT MATTER				
IPC(7) : B67D 5/40, 5/64, 5/06; G01F 11/06				
US CL : 222/162, 182, 183, 320, 321.1, 321.7, 321.8, 321.9, 340, 378, 383.1, 385, 517, 518; 239/333				
According to International Patent Classification (IPC) or to both national classification and IPC				
Minimum documentation searched (classification system followed by classification symbols)				
U.S.: 222/162, 182, 183, 320, 321.1, 321.7, 321.9, 340, 383.1, 385, 517, 518				
0.5 2.				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where ar	propriate, of the relevant passages	Relevant to claim No.	
X	US 6,338,422 B1 (DEJONGE) 15 January 2002 (15	.01.2002). See Figures 1-5.	1-4,7,15-18,20-21,26-	
Λ.	30			
	US 3,405,843 A (WATSON, JR) 15 October 1968 (15.10.1968), See Figures 1-2.			
A	A US 3,405,843 A (WATSON, JR) 15 October 1968 (15.10.1968), See Figures 1-2.			
_	110 C 107 100 A (NEISC et al.) 20 January 1006 (20 Ot 1006) See Figure 7 S			
Α	US 5,487,489 A (WEISS et al) 30 January 1996 (30.01.1996), See Figures 3-5.			
Α	US 6,305,580 B1 (CHEN) 23 October 2001 (23.10.2001), Sec Figures 1-4.			
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Further documents are listed in the continuation of Box C. See patent family annex.				
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"A" document defining the general state of the art which is not considered to be principle or theory underlying the invention				
	of particular relevance			
"X" document of particular relevance; the claimed invention cannot be				
"E" earlier o	pplication or patent published on or after the international filing date	considered novel or cannot be consider when the document is taken alone	red to involve an inventive step	
L document which may throw doubts on priority claim(s) or which is cited to				
establish the publication date of another citation or other special reason (as		"Y" document of particular relevance; the		
specified		considered to involve an inventive step		
		combined with one or more other such being obvious to a person skilled in the		
"O" documen	t referring to an oral disclosure, use, exhibition or other means	being obvious to a person series in an		
P" documen	*P" document published prior to the international filing date but later than the *&" document member of the same patent family			
priority date claimed				
Date of the actual completion of the international search Date of mailing of the international search report				
Date of the	actual completion of the international search			
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05 January 2005 (05.01.2005)		Authorized officer (
Name and mailing address of the ISA/US		Authorized Officer form 7/1. / 1000 - form		
Mail Stop PCT, Attn: ISA/US		27 JAN 2005 Authorized officer flavor M. Meene for Frederick C. Nicolas		
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